

Converting Colors

XYZ(52.9204, 72.3136, 35.3355)

Have a look what the booklet for
XYZ(52.9204, 72.3136, 35.3355)
contains.

XYZ(52.8412, 72.0980, 35.1760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.8412, 72.0980,
35.1760)**

Conversions

Conversions Part 1

Format	Color
Hex	AFEE8A
RGB	175, 238, 138
RGB Percent	69%, 93%, 54%
CMY	0.3137, 0.0666, 0.4588
CMYK	0.26, 0.00, 0.42, 0.07
HSL	98°, 75%, 74%
HSV	98°, 42%, 93%
XYZ	52.8412, 72.0980, 35.1760
YIQ	207.7630, -5.4480, -44.4560

Conversions

Conversions Part 2

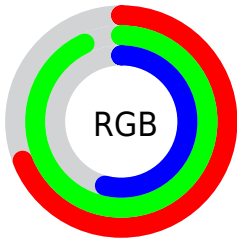
Format	Color
RYB	138, 238, 201
Decimal	11529866
CIELab	88.02, -37.21, 42.10
CIELCh	88, 56.191, 131.470
Yxy	72.0980, 0.3300, 0.4503
Android (android.graphics.Color)	4289719946 (0xFFAFEE8A)
YUV	207.7630, -34.3932, -28.7332
Hunter-Lab	84.9105, -37.5100, 34.8752

Details

The XYZ color **52.8412, 72.0980, 35.1760** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.6115, 36.7696, 85.4280**, and the grayscale version is **60.0206, 63.1463, 68.7663**.

A 20% lighter version of the original color is **78.6644, 92.5261, 64.1653**, and **26.1534, 38.1209, 14.7837** is the 20% darker color. If you saturate the color by 10%, you get **48.1231, 69.8457, 26.9252**, and if you desaturate by 10%, it is **58.3142, 74.7003, 45.4359**.

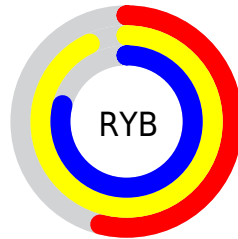
Distribution



Red (69%)

Green (93%)

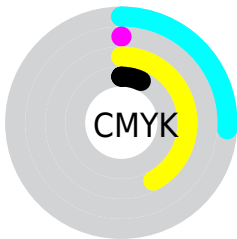
Blue (54%)



Red (54%)

Yellow (93%)

Blue (79%)

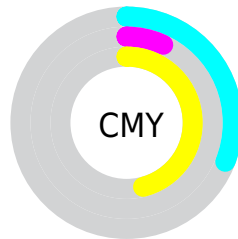


Cyan (26%)

Magenta (0%)

Yellow (42%)

Black (7%)



Cyan (31%)


Magenta (7%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8412, 72.0980, 35.1760 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.8412, 72.0980, 35.1760 by changing the saturation by 10% instead.


 52.8412, 72.0980,
35.1760

 52.8412, 72.0980,
35.1760


387.9464,
467.8826, 340.2723


 37.9030, 53.2387,
23.5138


 93.5376, 122.1958,
68.9130

 26.0843, 37.9934,
14.7645


 120.0264,
154.2032, 91.8249

 17.0197, 25.9776,
8.5095


 151.0962,
191.3621, 119.3238

 10.3439, 16.8069,
4.3303

187.1123,
234.0568, 151.8283

 5.6916, 10.0969,
1.8082

228.4400,
282.6719, 189.7568

 2.6973, 5.4632,
0.4334

275.4446,

 0.9958, 2.5215,

337.5916, 233.5280

0.0000

328.4917,
399.2004, 283.5603

0.0000, 0.8874,
0.0000

0.0000, 0.0000,
0.0000

52.8412, 72.0980,
35.1760

52.8412, 72.0980,
35.1760

48.1231, 69.8457,
26.9252

58.3142, 74.7003,
45.4359

44.1175, 67.9178,
20.5470


64.5711, 77.6582,
57.8201

40.7855, 66.2996,
15.8952


71.6456, 80.9889,
72.4406


38.0813, 64.9712,
12.8000

79.5679, 84.7058,
89.4004

 35.9519, 63.9098,
11.0571

 88.0417, 88.6915,
107.0866

 34.6057, 63.2294,
10.3806

 89.8660, 89.6320,
107.1720

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5300, 72.0980, 26.1186



52.8412, 72.0980, 35.1760



46.8851, 72.0980, 57.3092

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.8412, 72.0980, 35.1760



60.6604, 72.0980, 171.3121



97.0067, 72.0980, 64.7240

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.8412, 72.0980, 35.1760



48.6115, 36.7696, 85.4280

Split Complementary

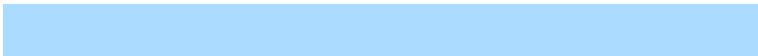
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.9750, 72.0980, 104.3660



52.8412, 72.0980, 35.1760



73.7794, 72.0980, 175.2994

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.8412, 72.0980, 35.1760



50.9770, 72.0980, 138.2098



87.0451, 72.0980, 147.7915



89.7031, 72.0980, 39.0742

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.8412, 72.0980, 35.1760



45.8621, 72.0980, 80.4107



87.0451, 72.0980, 147.7915



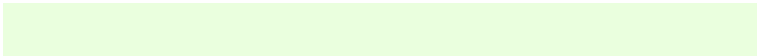
97.6461, 72.0980, 76.6246

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.8430, 72.1011, 35.1776



82.8940, 94.2977, 82.8342



60.4274, 61.1693, 32.6678



17.3372, 19.9928, 16.8828



0.0000, 0.0000, 0.0000



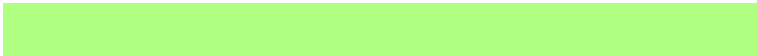
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.8430, 72.1011, 35.1776



57.2289, 82.1413, 33.0885



46.5361, 68.7469, 39.5317



16.1183, 17.9411, 16.7632



19.4363, 35.3413, 5.7972



1.7231, 2.9948, 0.4872

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.6115, 36.7696, 85.4280



51.6684, 35.9133, 98.8165



58.1244, 41.8653, 77.2123



15.8545, 15.7222, 19.9207



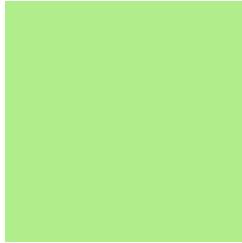
15.7690, 7.1346, 45.6739



1.4211, 0.6499, 3.8048

Previews

White Background



This preview shows how the XYZ color 52.8412, 72.0980, 35.1760 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 52.8412, 72.0980, 35.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.8412, 72.0980, 35.1760

Background



This preview shows how black text looks on a background with the XYZ color 52.8412, 72.0980, 35.1760.

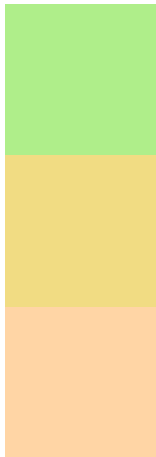


This preview shows how white text looks on a background with the XYZ color 52.8412, 72.0980,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.8412, 72.0980, 35.1760

Protanopia

65.9656, 71.5259, 31.8018

Deuteranopia

71.8258, 71.5651, 45.6251



Tritanopia

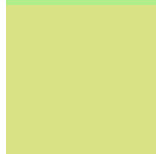
65.0113, 72.0007, 96.0590

Trichromacy



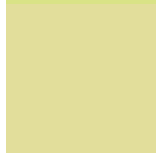
Original Color

52.8412, 72.0980, 35.1760



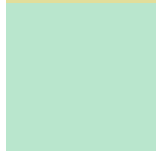
Protanomaly

60.3874, 71.4111, 33.1552



Deuteranomaly

63.4017, 70.7779, 41.3302



Tritanomaly

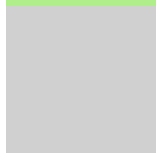
59.3238, 71.3157, 68.3962

Monochromacy



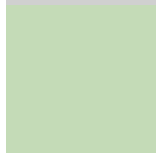
Original Color

52.8412, 72.0980, 35.1760



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

56.6437, 65.8177, 54.5184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8412, 72.0980, 35.1760 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(175, 238, 138)` looks like.

```
.text, #text, p{  
    color:rgb(175, 238, 138)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(175, 238, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 238, 138) }
```

Border

The CSS property to change the border of an element to XYZ 52.8412, 72.0980, 35.1760 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 238, 138) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(175, 238, 138) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 238, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 238, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 238, 138);  
box-shadow:4px 4px 4px 4px rgb(175, 238,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8412, 72.0980, 35.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 238, 138) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(175,  
238, 138) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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